

Universitatea "Babeş-Bolyai" din Cluj-Napoca

European Engineering/I7 Edition





Welcome to trendence 2015

Over 280.000 participants from 24 European countries from more than 950 universities...

...have their say on:

- >> their university
- >> their favourite top-employers
- >> their career targets
- >> current topics



Publication Information

Dear readers,

Thank you for your participation in the trendence Graduate Barometer 2015! This report has been specifically compiled for your university and contains data that has not yet been published. We receive many requests from students and universities for permission to cite the presented data and results. Therefore we have complied the following list of do's and don'ts:

- >> You are welcome to use individual figures from this report for internal and external communication through the university website or newsletter citing trendence Institute as your source in the text. However, publication of the whole report or parts therein, e.g. complete tables or images, is not permitted.
- >> You may use the reported data for academic purposes (personal studies, lectures etc.)
- >> Furthermore, you are permitted to publish the report results on restricted access platforms which are university internal, provided that the data cannot be forwarded to third parties through this platform.

Kind regards, Your trendence team



Contents

Thank you for participating in the trendence Graduate Barometer 2015! We are delighted to present the results for you in this report. After a general introduction, the following three chapters will be presented:

Students Surveyed

Here you can see the sample upon which the results are based. In addition to sample size and demographic data you will also find information regarding the respective disciplines and degree levels. This information is important since the distribution shown may differ from the statistics of your university depending upon student participation.



Student Feedback on Universities

Student feedback regarding 28 different criteria in various forms is presented in this chapter. You will learn what is important to your students and how your university's performance compares to other universities within your country.





Communication and Career

Here you can view student career, salary and working hour preferences. These are important factors regarding student's preference and selection of employers. Additionally, you can identify which sources of information students use to inform themselves about careers and employers.



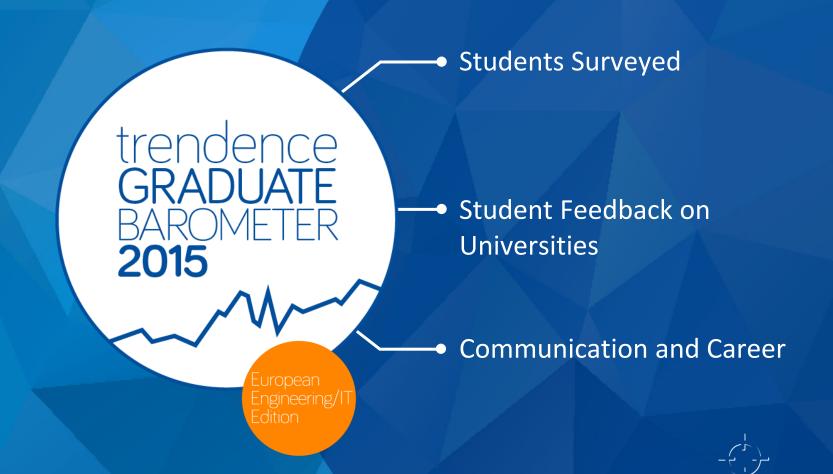


General information & Methodology

- >> The trendence Graduate Barometer has grown to be the largest survey on career, education and employer topics in Europe. 952 institutions in 24 countries took part and 281.749 students answered the survey.
- >> The students were asked about their preferences and expectations in their future career, their satisfaction with their university and the attractiveness of future employers.
- >> The field-phase took place from October 2014 until February 2015. The data was analyzed with statistical tools in compliance with valid MRS and ESOMAR codes and ISO 20252.



trendence worldwide Graduates **School leavers Professionals** over 1,000 universities worldwide over 500,000 participants EXPRESS ROULARTA raduate recruitment



research » strategies » careers



Students Surveyed





Students Surveyed

Chapter contents

- >> Number of students participating and countries surveyed: How many students participated in your country and in which countries was the survey implemented?
- >> Demographic data and more: In addition to the age structure of the sample, the distribution of disciplines and pursued degrees are assessed. Important to note here is that the discipline does not indicate a specific degree course or "major" at your university but rather the subject area to which a student allocates herself/himself.
- >> Experience profile & soft skills: What qualifications have your students already obtained besides subjectspecific qualifications? How do they assess their own soft skills?
- >> Language skills: Which languages do your students speak other than their native language?





Participation in the Engineering/IT Edition

trendence Graduate Barometer 2015	Engineering/IT Edition
Your students	
Universitatea "Babeş-Bolyai" din Cluj-Napoca	85
Austria	2.900
Belgium	1.946
Bulgaria	1.408
Czech Republic	3.752
Denmark	502
Finland	1.860
France	11.057
Germany	21.454
Greece	3.873
Hungary	3.297
Ireland	2.937
Italy	6.873
Netherlands	313
Norway	441
Poland	4.593
Portugal	3.104
Romania	2.858
Russia	4.021
Slovakia	2.981
Spain	12.550
Sweden	622
Switzerland	1.514
Turkey	4.173
United Kingdom	19.513





Short profile of key researched groups

Short Profile		Europe	Romania	Your students
	Age (years)	Ø 22,8	Ø 22,3	Ø 22,9
PROFILE	Male	61,4%	55,7%	44,7%
	Female	38,6%	44,3%	55,3%
	Bachelor	61,3%	72,7%	29,4%
COURSE LEVEL	Master	34,7%	23,9%	67,1%
	PhD/Doctorate	3,9%	2,8%	3,5%
EXPERIENCES	Work experience related to my course	53,8%	60,5%	60,8%
	Work experience unrelated to my course	60,2%	57,6%	53,8%
	Work, study or voluntary activities in a foreign country	27,2%	38,3%	41,2%
EVECTATIONS	Working hours (hrs)	Ø 42,1	Ø 40,3	Ø 40,3
EXPECTATIONS	Expected income (€)	Ø 25.858	Ø 8.683	Ø 7.332



Question: What type of course are you currently completing?

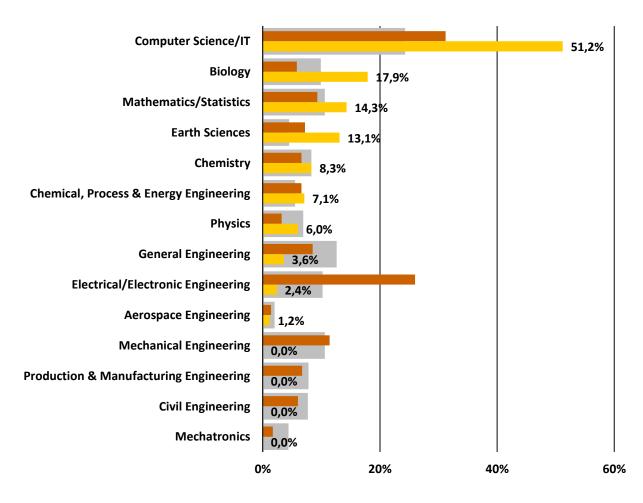
Question: What experience (of at least 3 months in length) do you have? Question: How many hours are you prepared to work in your first job?

Question: How much do you expect to earn in this job?





Main subjects studied



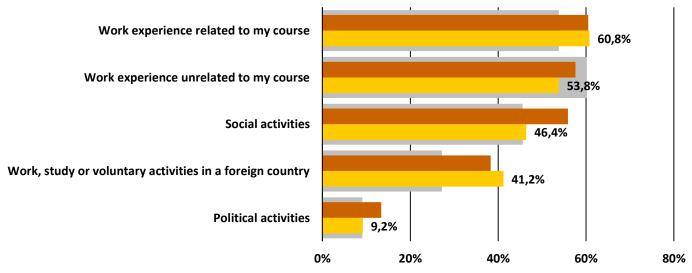


Question: What main modules are you studying? The participants could select one or two answer options. As a result, the aggregated percentages might be more than 100%.





Students' experience



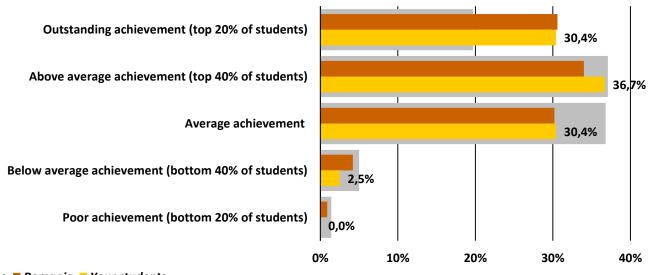
■ Europe ■ Romania ■ Your students



Question: What experience (of at least 3 months' length) do you have?



Academic achievement



■ Europe ■ Romania ■ Your students



Question: How would you describe your academic achievements?



Soft skills for the world of work

During the investigation, students are asked to evaluate their own personality traits (soft skills) as they relate to them in a professional context. Students are asked about individual traits with the aid of statements, which they can either confirm or deny on a four-point scale ('Doesn't apply at all', 'Doesn't really apply', 'Applies somewhere', 'Fully applies'). Only participants who selected 'Fully applies' or 'Applies somewhere' to both statements have been matched to the according characteristic.

For the presentation of the results these statements are summarized into characteristics:

Reliability: 'I always meet predetermined deadlines.'

Reliability: 'I always check my work is correct before I hand it in.'

Achievement and aspiration: 'My own mistakes irritate me and I always try to learn from them.'

Achievement and aspiration: 'In my free time I read subject specific literature to improve my knowledge.'

Flexibility: 'After the internal restructuring of business, I am open to new topic areas and tasks.'

Flexibility:: 'When I become aware that I am not progressing, I change my strategy.'

Ability to work under pressure: 'Even after considerable constructive criticism I remain friendly and do not feel personally attacked.'

Ability to work under pressure: 'I meet predetermined deadlines, even if this means working at a higher level.'

Social competency: 'I pay attention to the mannerisms and gestures of those I talk to.'

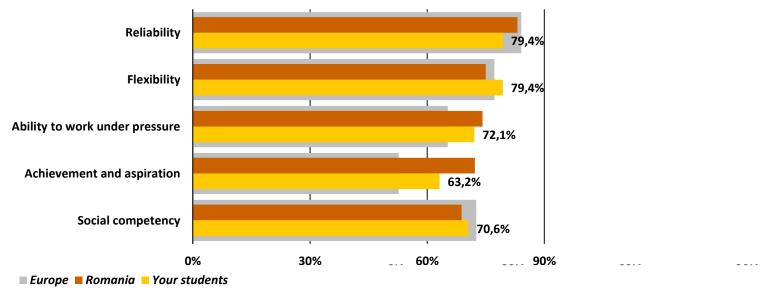
Social competency: 'I let other people argue their case before I voice my opinion.'

The statements and their wording have been tested for their quality and directness in a variety of pre-tests.





Soft skills for the world of work





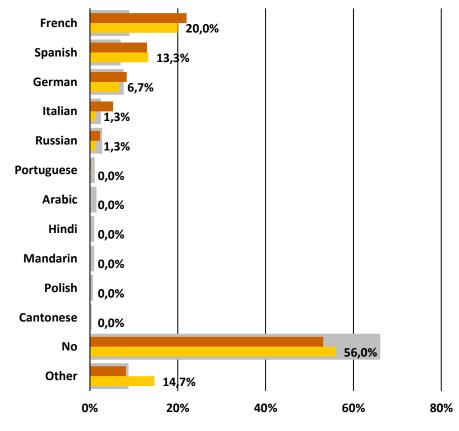
Question: To what extent do the following statements relate to you?

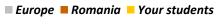
Students were requested to rate each statement on a four-point scale (from -2 for 'strongly disagree' to +2 for 'strongly agree').

Please go back to the previous slide to see the statements.



Additional language skills





Question: Do you speak any other languages (besides your mother tongue and/or English) at an advanced level? Advanced here signifies that you are able to speak, write and understand without any difficulty - you have a relatively large vocabulary and make few grammatical mistakes.





Student Feedback on Universities





Student Feedback on Universities

Chapter contents

- >> Key performance indicators: How is your university rated in comparison to other universities?
- >> Detailed evaluation: What do your students consider important at your university and how do they rate your university?
- >> Recommendation: Do your students recommend your university to others?
- >> In addition to this report you will receive a separate Excel-chart in which the qualitative (text based) feedback is presented.





University Measurement Feedback Concept

What is the trendence university feedback concept all about? What's new?

- >> trendence would like to give you reliable results regarding the satisfaction and career plans of your students now and in the future.
- >> We improved our questionnaire for the 2015 survey period by revising and expanding the measurement criteria regarding university feedback. Further important questions were added in order to make the concept more comprehensible.
- >> We worked closely with students in our trendence market research panel in order to revise our measurement criteria: What constitutes a good university how do students understand certain evaluating criteria? The results of this cooperation were processed and the most relevant criteria were incorporated into a new measurement concept: Participants evaluate their university in terms of 28 criteria which in turn are categorized under 10 major university topics (details can be seen on the following page).
- >> The primary intention was to exclusively use criteria that students can easily and authentically evaluate based on everyday student experience. As a result, the "Image of the University" is, for example, no longer considered.





University Measurement Feedback Concept

- >> On the pages following the Key Performance Indicators you will find the ratings of your students regarding all 28 criteria, each measured in terms of importance and satisfaction.
- >> To the right of the graph you will find the criteria's allocation to the 10 topics as follows:

1.	Professors/Lecturers	Professional competence Didactical competence Availability Motivation and readiness to help
2.	Practical relevance of study course	Practical relevance of the content of study Excursions, case studies, guest presentations Integrated work experience
3.	International opportunities of the study course	Lectures in a foreign language Exchange programmes, university partnerships
4.	Cooperation of the university with economy	Job advertisements (e.g. for work experience) Jobs and career fairs Research projects with companies
5.	Quality and availabiltiy of technology infrastructure	Wifi Availabilty of computer workspace & Quality of computer equipment
6.	Quality of libraries and up-to-date collections	Variety of literature on offer and up-to-date collections Availability of literature Availability of workspace Opening times
7.	Careers Service	Consultation service/careers advice, Job exchange Events (e.g. careers fairs)
8.	Service and supervision facilites	Transparent responsibilities Competent advisors Rapid response to queries
9.	Location	Transport infrastructure Leisure and shopping facilities Price level/cost of living (e.g. rent)
10.	Student activities	Events (e.g.uni cinema, sport, events) University politics





Key Performance Indicators

The Key Performance Indicators (KPIs). Calculation and interpretation.

>> KPIs graphically illustrate the average rating of your university compared to other universities rated in your country. They hereby replace a conventional university ranking by trendence.

>> KPIs are based on student's evaluations of their own university. Students rate their university according to 10 topics within which a total of 28 criteria are measured.

>> KPIs illustrate performance within each topic range. Ten average values are accounted for each university based on the results of the 28 measurement criteria. Within each topic range one can see which are the best and worst rated universities in your country. Values between best and worst are divided into 5 sub-sections. The KPIs show your university's position.



Top performance



Good performance



Average performance



NOTE I for interpretation: KPI affiliation is relative to the performance of other universities. A very good KPI does not automatically signify a very good rating, but rather a very good rating in comparison to other universities evaluated in your country.

NOTE II for interpretation: The dimension "Importance" is not considered in the KPIs. "Importance" is shown in other graphs in this chapter.



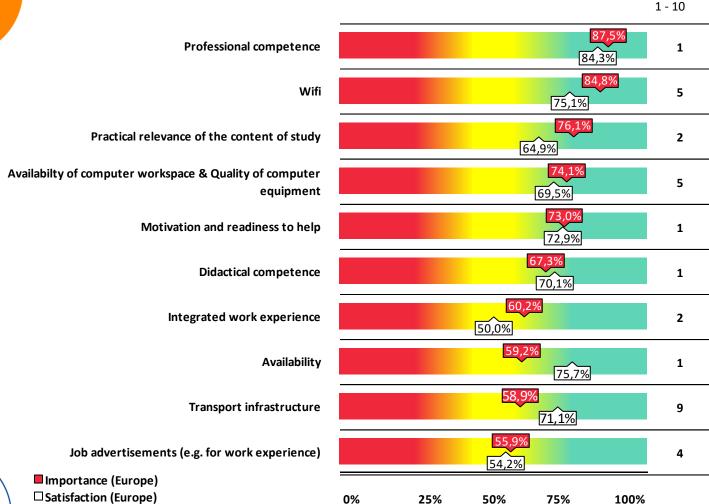
Your Key Performance Indicators for 2015: This is how your students evaluate!

1.	Professors/Lecturers	
2.	Practical relevance of study course	
3.	International opportunities of the study course	
4.	Cooperation of the university with economy	
5.	Quality and availabiltiy of technology infrastructure	
6.	Quality of libraries and up-to-date collections	
7		
7 •	Careers Service	
8.	Careers Service Service and supervision facilites	
8. 9.		





Evaluation of university performance: Importance vs. Satisfaction in Europe Topic:



Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << > >> very satisfied'.

Values "Importance": Percentage of students who marked a criteria as "important".

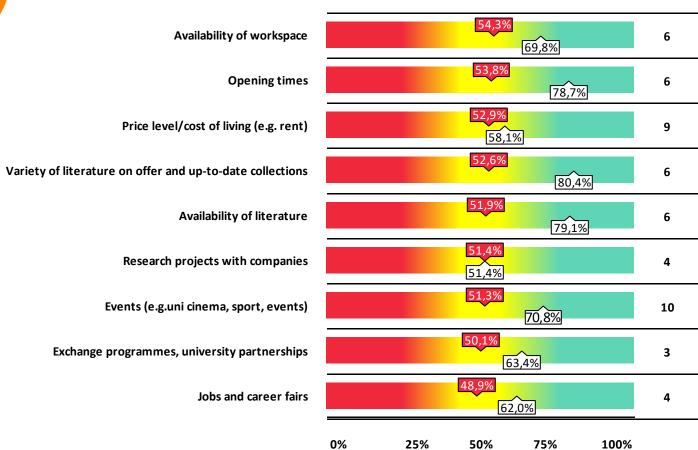
Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.

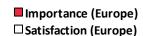




Evaluation of university performance: Importance vs. Satisfaction in Europe Topic:

1 - 10





Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

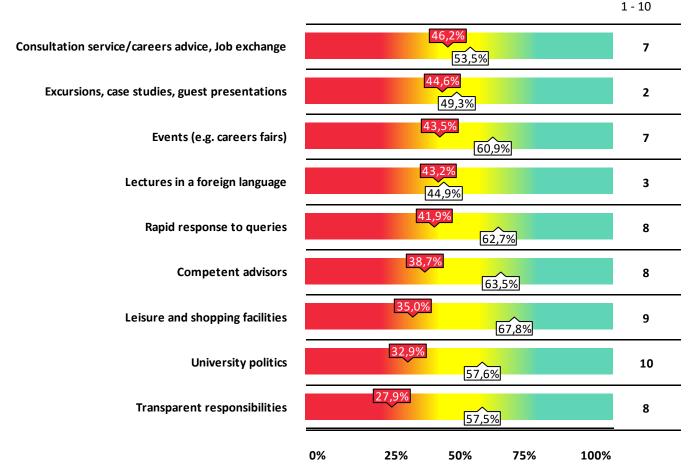
Values "Importance": Percentage of students who marked a criteria as "important".

Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.





Evaluation of university performance: Importance vs. Satisfaction in Europe Topic:





■Importance (Europe)

☐ Satisfaction (Europe)

Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

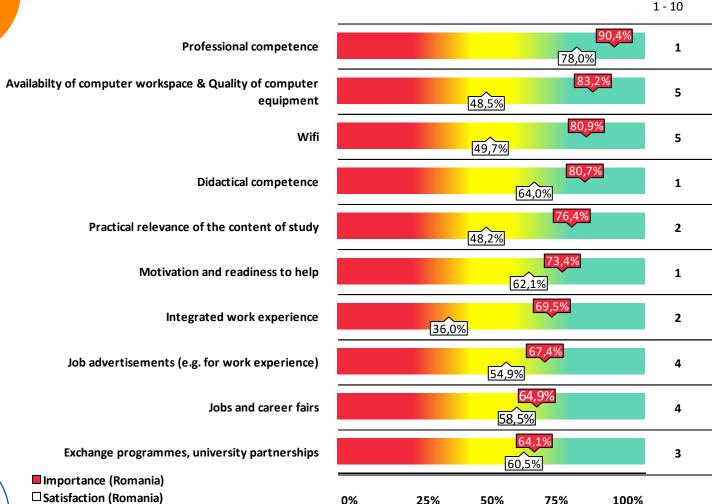
Values "Importance": Percentage of students who marked a criteria as "important".

Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.



Evaluation of university performance: Importance vs. Satisfaction in Romania

Topic:



Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

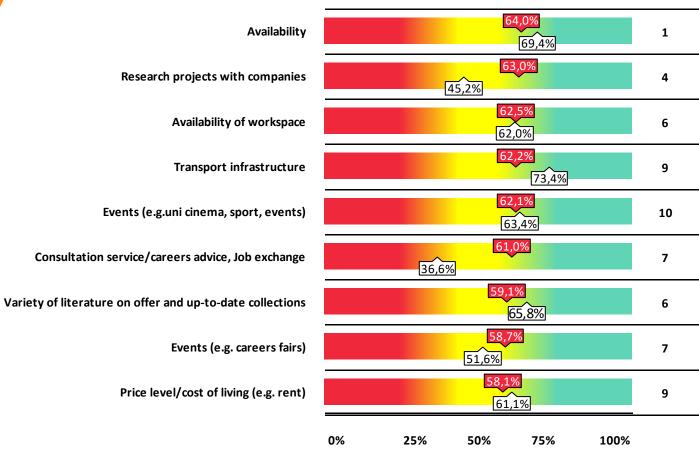
Values "Importance": Percentage of students who marked a criteria as "important".

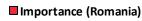
Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.



Evaluation of university performance: Importance vs. Satisfaction in Romania Topic:

1 - 10





☐ Satisfaction (Romania)

Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

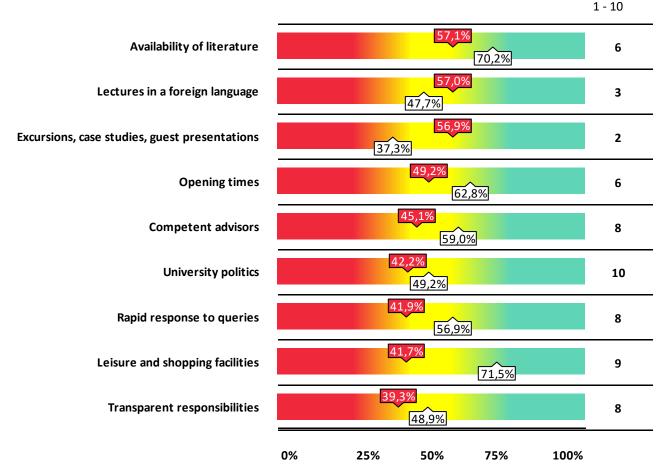
Values "Importance": Percentage of students who marked a criteria as "important".

Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.





Evaluation of university performance: Importance vs. Satisfaction in Romania Topic:





■ Importance (Romania)

☐ Satisfaction (Romania)

Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

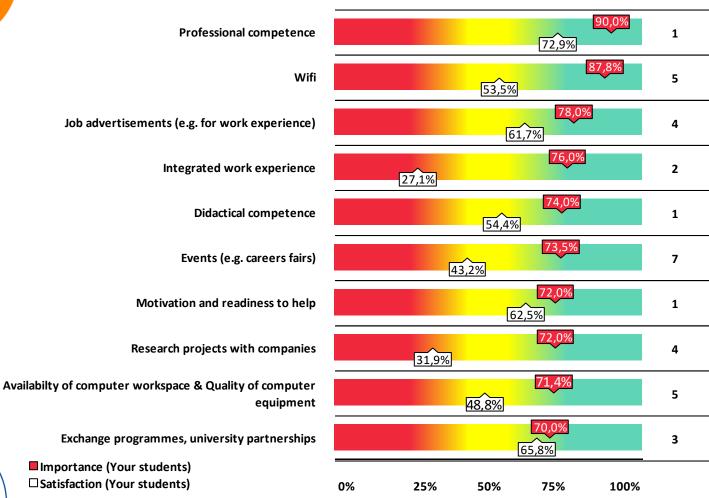
Values "Importance": Percentage of students who marked a criteria as "important".

Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.



Evaluation of university performance: Importance vs. Satisfaction at your university Topic:

1 - 10



Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << > >> very satisfied'.

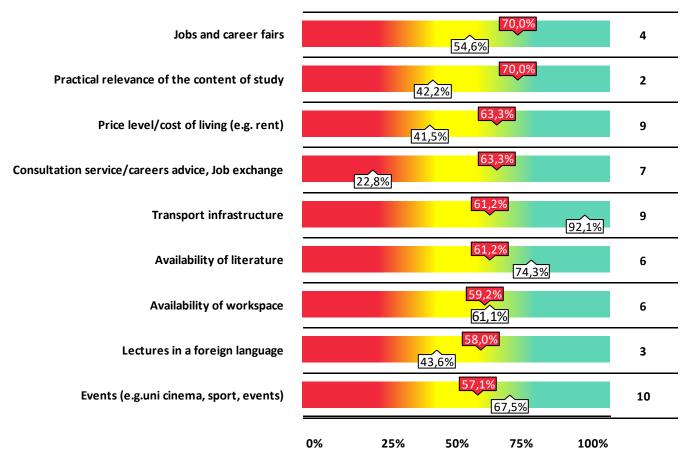
Values "Importance": Percentage of students who marked a criteria as "important".

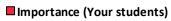
Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.



Evaluation of university performance: Importance vs. Satisfaction at your university Topic:

1 - 10





☐ Satisfaction (Your students)

Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

Values "Importance": Percentage of students who marked a criteria as "important".

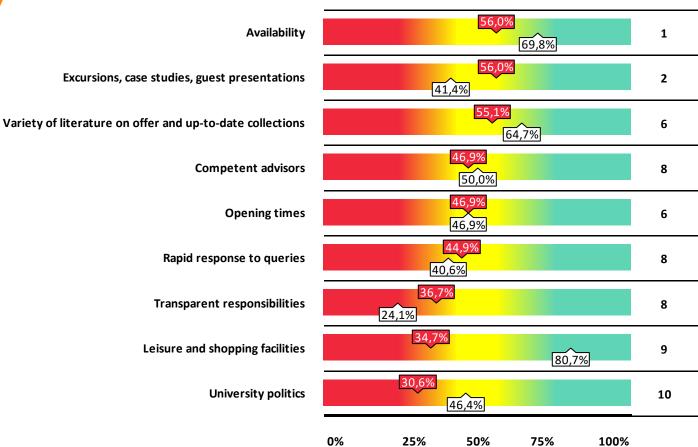
Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.

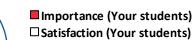




Evaluation of university performance: Importance vs. Satisfaction at your university Topic:

1 - 10





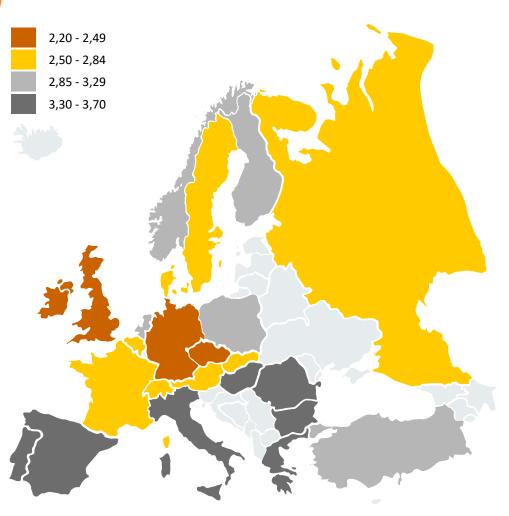
Question: How important are the following factors to you and your studies and how do you rate your university according to these factors? Students could randomly choose as many "important" criteria as they wished and simultaneously provide a rating on a four point scale ranging from very dissatisfied << < > >> very satisfied'.

Values "Importance": Percentage of students who marked a criteria as "important".

Values "Satisfaction": Sum of the percentage of students who rated positive or very positive.



Global student's satisfaction with universities in Europe



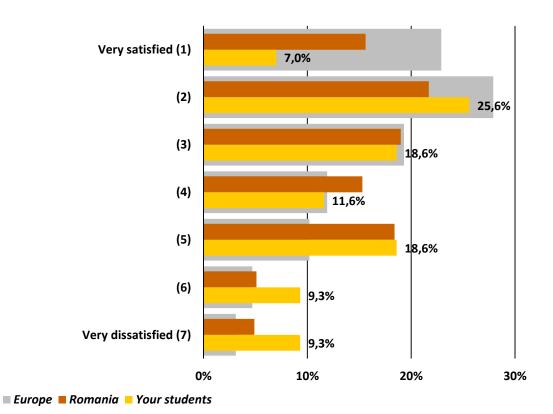


Question: Overall how satisfied are you with your university/course?

Students were requested to rate their satisfaction on a seven-point scale (from 1 for 'very satisfied' to 7 for 'very dissatisfied').



Global student's satisfaction with universities in Europe





Question: Overall how satisfied are you with your university/course?

Students were requested to rate their satisfaction on a seven-point scale (from 1 for 'very satisfied' to 7 for 'very dissatisfied').



Recommendation of your university?





Question: Would you recommend studying at your university to others?



Communication and Career





Communication and Career

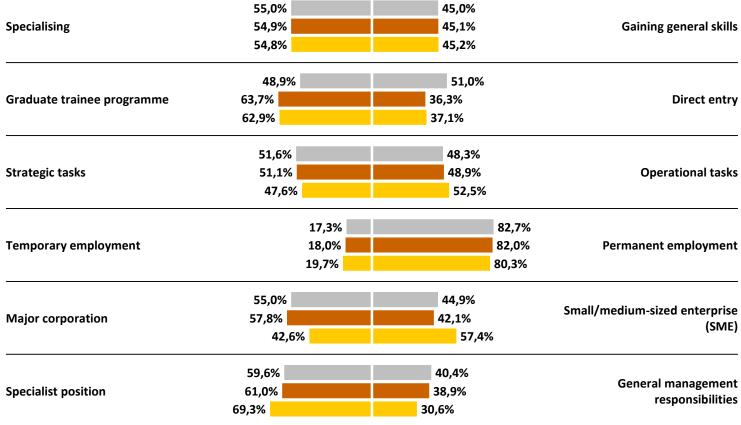
Chapter contents

- >> Career goals: Students are required to choose between two opposing terms according to personal preference. For example: employment at a large company or at a small business.
- >> Top employers: Who are the most popular and active employers in Europe and on your campus? Who is a potential partner for strategic cooperation?
- >> Working hours and salary expectations: What working hours and salaries do students expect from their first job and how do countries differ in this regard?
- >> Your students' opinions on general topics: Your students give their views on selected topics dealing with education and career building.





Career priorities





Question: What is important for your first professional position after graduation?

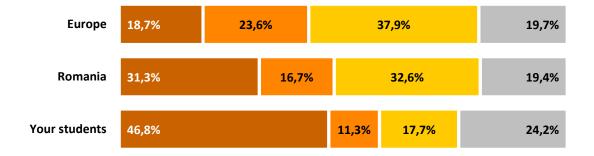
Students were requested to rate each characteristic on a four-point scale (from 'strong preference left characteristic' to 'strong preference right characteristic').

Students were presented with conceptual pairings which did not necessarily represent opposites. The further a bar tends to the respective attribute, the stronger the preference to this attribute as opposed to the other concept.





Mobility: Willingness to relocate



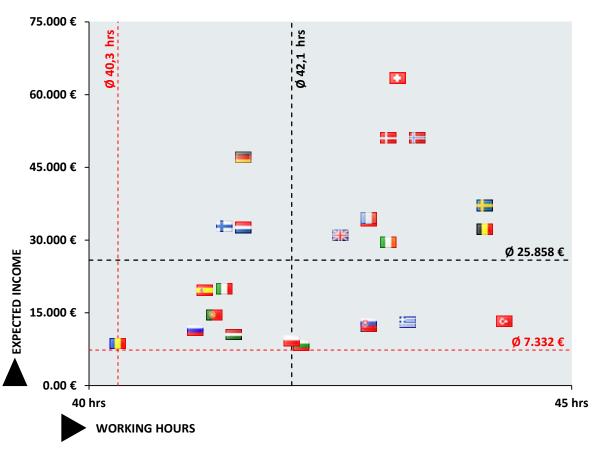
- I plan to look for my first job at my place of study.
- I plan to look for my first job at my original home region.
- I plan to look for my first job in Romania.
- I plan to look for my first job abroad.

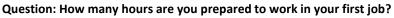


Question: To what extent are you looking to relocate after graduation?



Expectations of first position: Expected gross annual salary vs. Expected working hours relationship in Europe





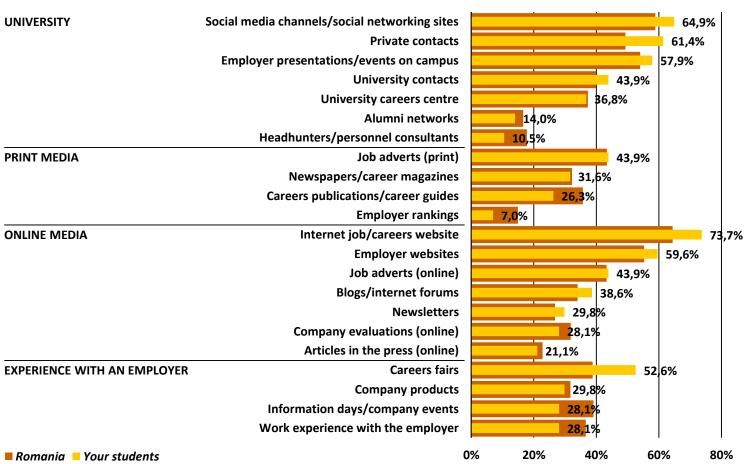
Question: How much do you expect to earn in this job?

The black line marks the average for Europe. The red line indicates the average value of your students.





General communication channels used

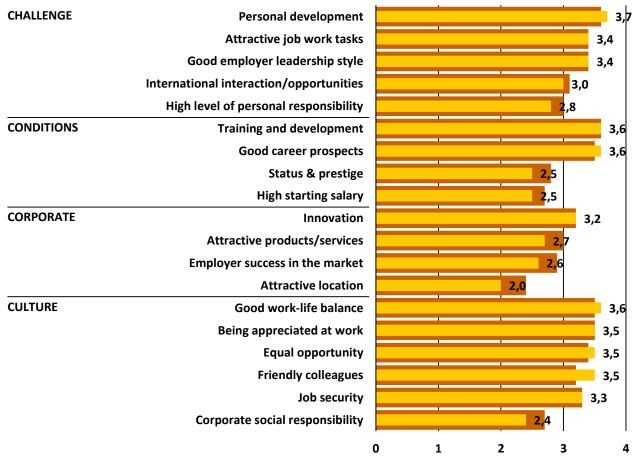




Question: Which of the following methods do you use most often to find out more about potential employers? Students could choose from all methods of communication at random.



Drivers of employer attractiveness



■ Romania ■ Your students

Question: How important are the following factors for you when choosing an employer?





Who are the most attractive employers in Europe?

Rank	Employer	Europe
1	Google	14,44%
2	Volkswagen Group	8,77%
3	Microsoft	7,24%
4	BMW Group	7,07%
5	Apple	6,55%
6	Airbus Group	4,34%
7	Siemens	3,95%
8	Bosch	3,73%
9	IBM	3,71%
10	Bayer	3,41%
11	European Space Agency	3,03%
12	Intel	3,02%
13	Daimler/ Mercedes-Benz	2,89%
14	ABB	2,50%
14	Rolls-Royce	2,50%
16	Nestlé	2,36%
17	GlaxoSmithKline	2,32%
18	L'Oréal	2,23%
19	GE	2,07%
20	BASF	2,00%



Question: Which employers would you most likely apply to upon graduation? Students could choose three employers from the full list of employers. The table shows the top 20 ranking of top employers according to all students in Europe.



Who are the most attractive employers in Romania?

Rank	Employer	Romania
1	Continental	14,0%
2	Google	9,1%
3	Microsoft	8,6%
4	IBM	6,7%
5	BMW Group	5,5%
6	Volkswagen Group	5,3%
7	Petrom (OMV)	4,9%
8	Dacia (Renault)	4,6%
9	Siemens	4,4%
10	Bosch	4,3%
11	Alcatel-Lucent	4,2%
11	Emerson	4,2%
13	Apple	4,1%
14	Ubisoft	4,0%
15	Oracle	3,9%
16	Intel	3,8%
17	E.ON	3,4%
17	Transelectrica	3,4%
19	Daimler/Mercedes-Benz	3,0%
19	L'Oréal	3,0%



Question: Which employers would you most likely apply to upon graduation? Students could choose three employers from the full list of employers. The table shows the top 20 ranking of top employers according to all students in Romania.



Who are the most attractive employers at your university?

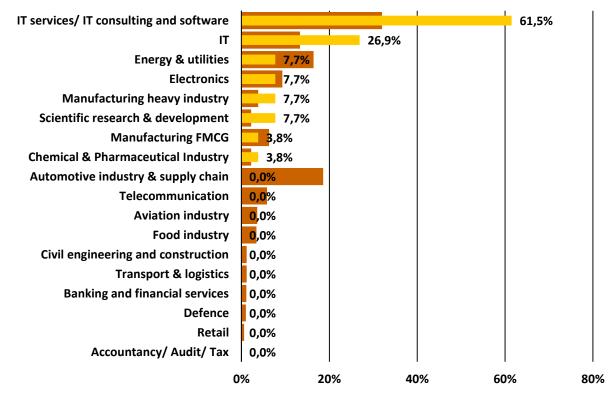
Rank	Employer	Your students
1	Emerson	19,6%
1	Endava	19,6%
3	Google	17,9%
4	I Quest	12,5%
5	Accenture	8,9%
5	Hewlett-Packard	8,9%
5	Microsoft	8,9%
5	Oracle	8,9%
9	Bayer	7,1%
9	Bosch	7,1%
9	L'Oréal	7,1%
12	European Space Agency	5,4%
12	Hidroelectrica	5,4%
12	Pfizer	5,4%
15	IBM	3,6%
15	Oltchim	3,6%
15	Orange	3,6%
15	Tenaris	3,6%
19	Air France-KLM	1,8%
19	Amazon	1,8%



Question: Which employers would you most likely apply to upon graduation?
Students could choose three employers from the full list of employers.
The table shows the top 20 ranking of top employers according to all students at your university.



Sector affinity



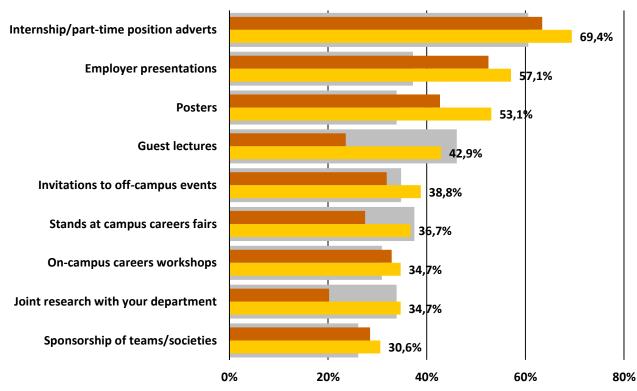
■ Romania ■ Your students



A participant has sector affinity as long as a minimum of two of their three top employers belong to the same sector. The graph above compares the preferred sectors of your students to all participants.



Most appealing campus marketing activities







Question: Which employer activities on campus appeal to you most?

The above chart shows, how employers can reach their target students on campus in an optimal way. Even the best recruiting idea is doomed to failure if it is not perceived by the students.



Who are the most active employers in Romania?

Rank	Employer	Romania
1	Continental 27,9	
2	Dacia (Renault)	9,3%
3	Emerson	8,7%
4	Siemens	8,1%
5	TELEKOM ROMANIA	8,0%
6	Bosch	7,8%
7	Microsoft	7,7%
8	Alcatel-Lucent	7,4%
9	IBM	7,2%
10	Vodafone	6,7%
11	Orange 6,2%	
12	Petrom (OMV) 6,1%	
13	Tenaris	6,0%
14	Delphi	5,4%
15	Hella	5,3%
16	Endava	5,2%
17	Google	4,6%
18	Ubisoft	4,4%
19	BRD - Groupe Société Générale	4,3%
20	Banca Comercială Română	4,2%



Question: Which employers most actively target students at your university? Students could choose three employers from the full list of employers. The table shows the top 20 ranking of top employers according to all students in Romania.



Who are the most active employers at your university?

Rank	Employer	Your students		
1	Endava	38,8%		
2	Emerson	24,5%		
3	I Quest	22,4%		
4	Bosch	14,3%		
5	Tenaris 12,2%			
6	Accenture 10,2			
6	Nokia 10,2%			
8	BRD - Groupe Société Générale	8,2%		
8	Carrefour	8,2%		
8	Google	8,2%		
8	Hewlett-Packard	8,2%		
8	Kaufland	8,2%		
8	Microsoft	8,2%		
14	RCS & RDS	6,1%		
14	Siemens	6,1%		
16	Banca Comercială Română	4,1%		
16	Orange	4,1%		
16	SAP	4,1%		
19	Adobe	2,0%		
19	Apple	2,0%		

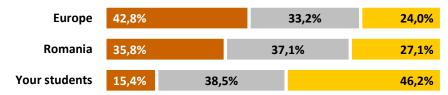


Question: Which employers most actively target students at your university? Students could choose three employers from the full list of employers. The table shows the top 20 ranking of top employers according to all students at your university.



Student opinions

My course provides me with the skills necessary for the labour market.



It will be tough to get a good job in 2015.

Europe	42,5%	29,1%	28,4%
Romania	52,5%	29,6%	17,9%
Your students	66,7%		16,7%

Taking time out for your family has a negative effect on your career.

Europe	19,5%	24,1%	56,4%
Romania	22,7%	23,6%	53,6%
Your students	27,8%	22,2%	50,0%

Agree No opinion Disagree

Question: Please give your opinion on the following statements.

Students were requested to respond using the options: 'agree (+1)', 'no opinion (0)', 'disagree (-1)'.





Student opinions

It is more important for me to be fulfilled than to earn lots of money.



I use social networking sites to find out more about a potential employer.



I would accept a lower salary if I thought an employer was very suited to me.



📕 Agree 📗 No opinion 📙 Disagree

Question: Please give your opinion on the following statements.

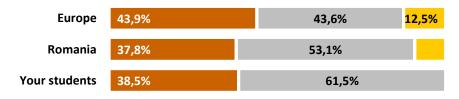
Students were requested to respond using the options: 'agree (+1)', 'no opinion (0)', 'disagree (-1)'.





Student opinions

It is difficult to find credible information on the corporate culture of an employer.







 $\label{eq:Question:Please} \textbf{Question: Please give your opinion on the following statements.}$

Students were requested to respond using the options: 'agree (+1)', 'no opinion (0)', 'disagree (-1)'.



Contact

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